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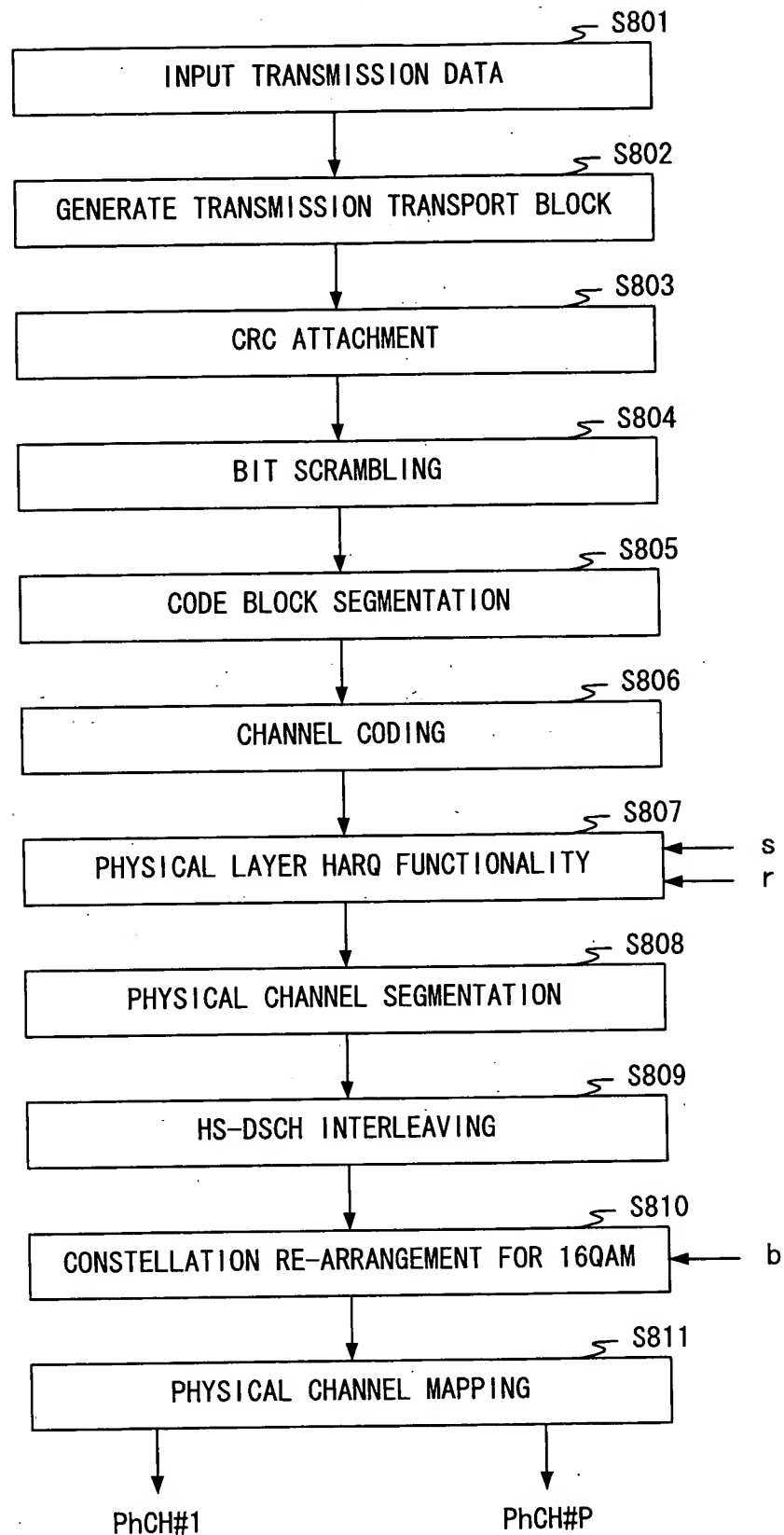


FIG.1

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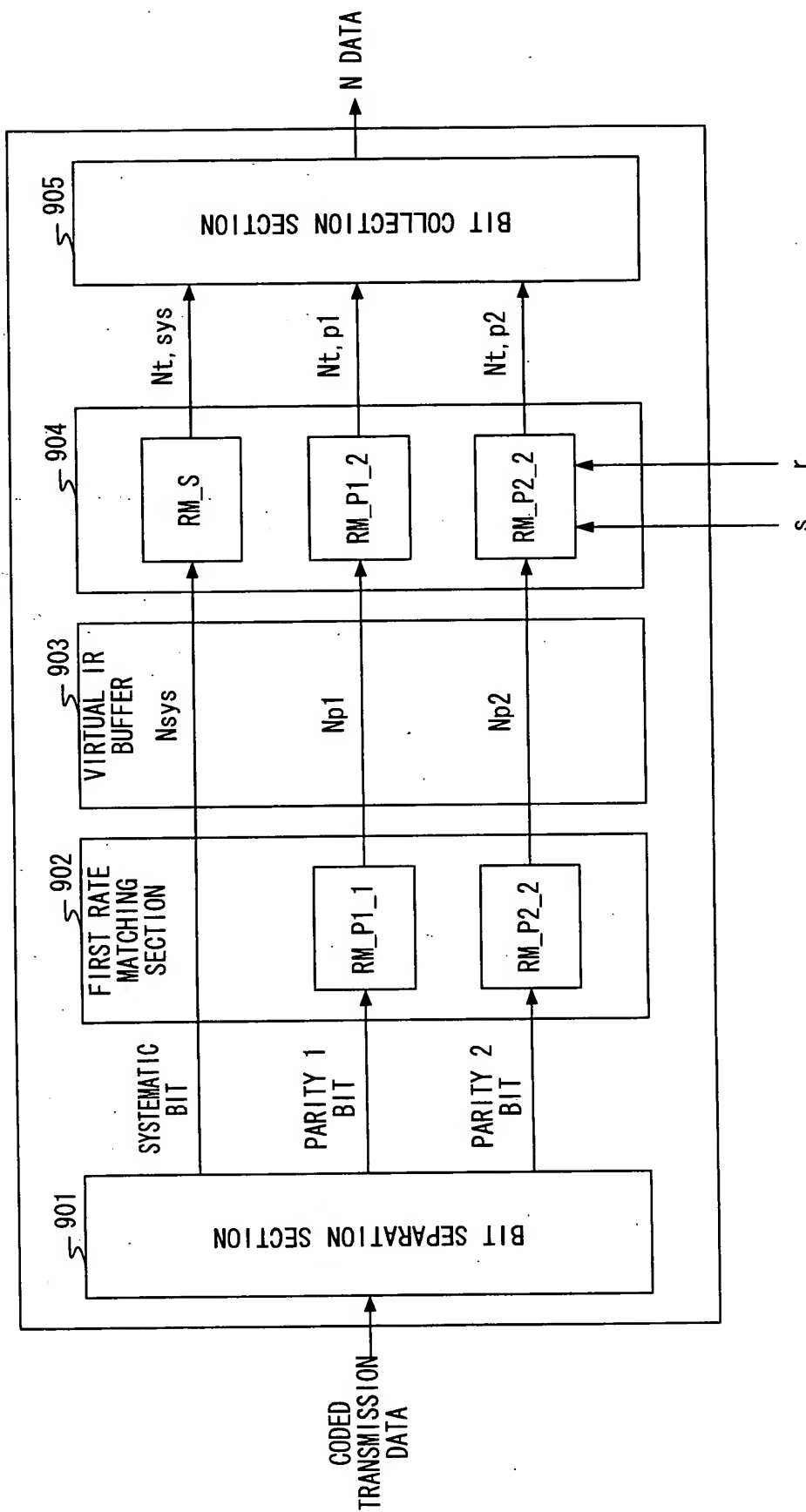


FIG.2

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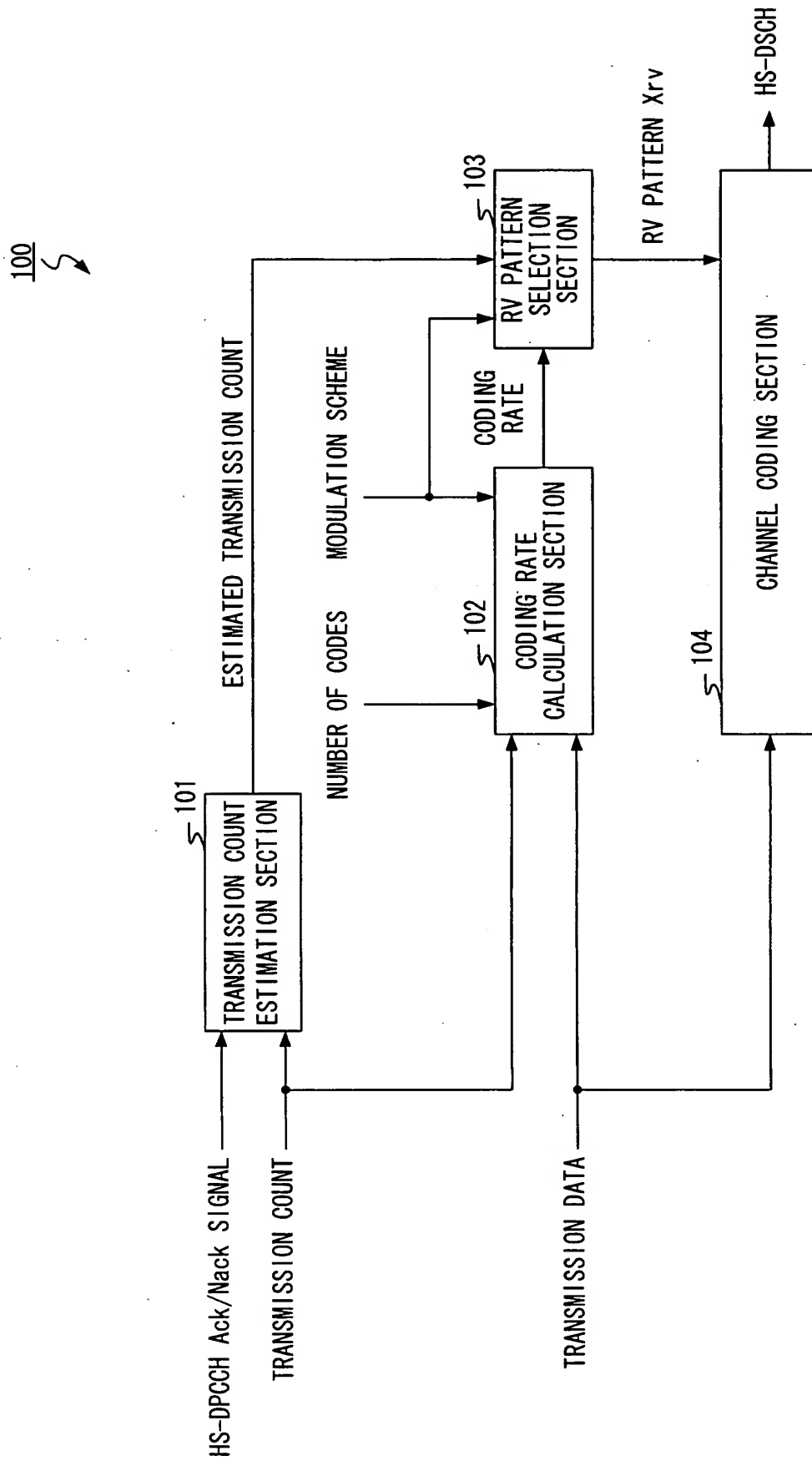


FIG.3

ESTIMATED RECEPTION COUNT	RV PARAMETER		
	CODING RATE $0 \leq x \leq x1$	CODING RATE $x1 < x \leq x2$	CODING RATE $x2 < x \leq 1$
1	RV_a_T1	RV_b_T1	RV_c_T1
2	RV_a_T2	RV_b_T2	RV_c_T2
:	:	:	:
N	RV_a_TN	RV_b_TN	RV_c_TN

FIG.4

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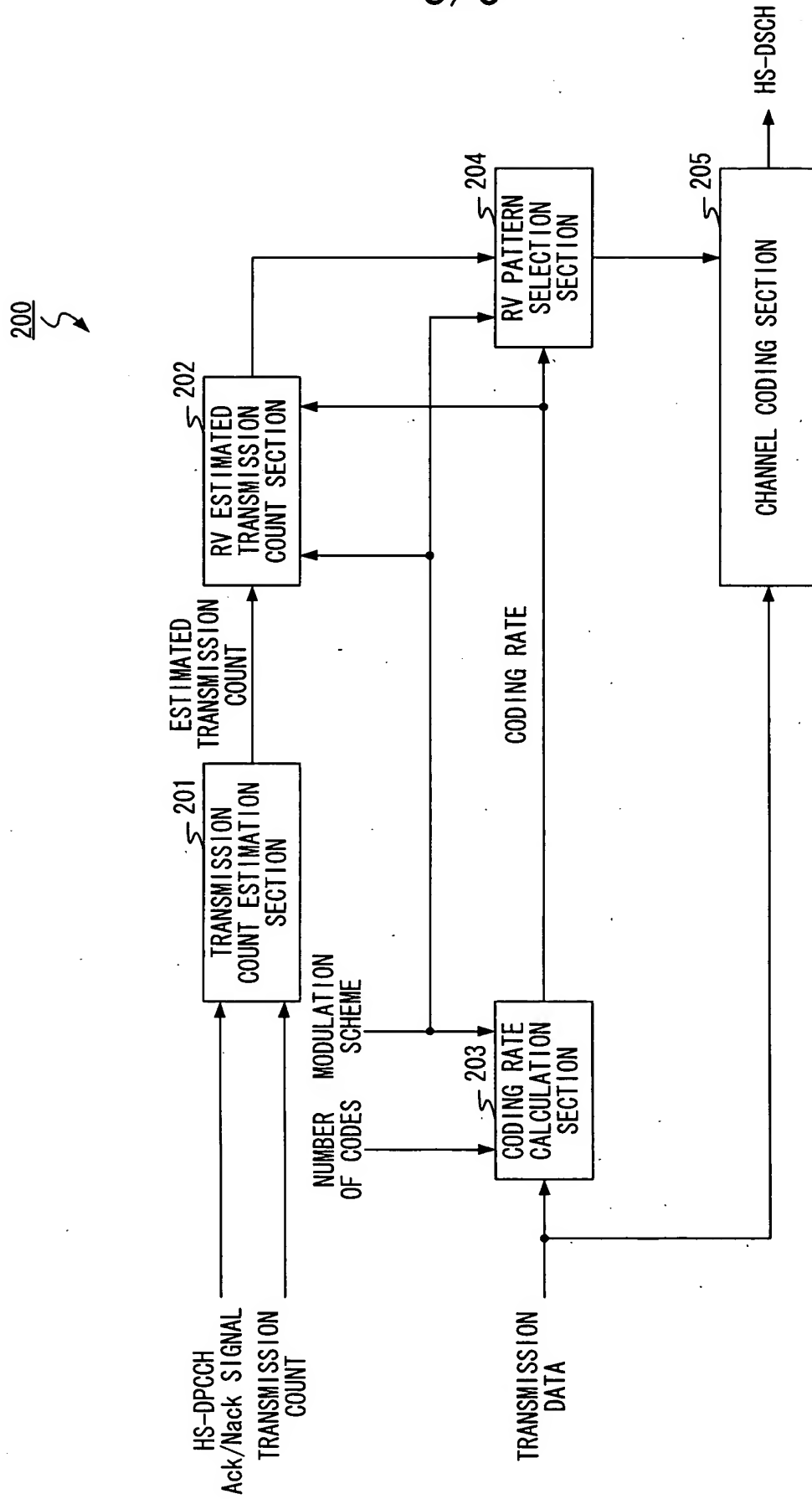


FIG. 5

RV ESTIMATED TRANSMISSION COUNT					
QPSK			16QAM		
CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE
$0 \leq x \leq x_1$	$x_1 < x \leq x_2$	$x_2 < x \leq 1$	$0 \leq x \leq y_1$	$y_1 < x \leq y_2$	$y_2 < x \leq 1$
0	0	0	0	0	0

(A)

RV ESTIMATED TRANSMISSION COUNT					
QPSK			16QAM		
CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE
$0 \leq x \leq x_1$	$x_1 < x \leq x_2$	$x_2 < x \leq 1$	$0 \leq x \leq y_1$	$y_1 < x \leq y_2$	$y_2 < x \leq 1$
0	1	0	0	0	0

(B)

RV ESTIMATED TRANSMISSION COUNT					
QPSK			16QAM		
CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE
$0 \leq x \leq x_1$	$x_1 < x \leq x_2$	$x_2 < x \leq 1$	$0 \leq x \leq y_1$	$y_1 < x \leq y_2$	$y_2 < x \leq 1$
0	2	0	0	0	0

(C)

RV ESTIMATED TRANSMISSION COUNT					
QPSK			16QAM		
CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE	CODING RATE
$0 \leq x \leq x_1$	$x_1 < x \leq x_2$	$x_2 < x \leq 1$	$0 \leq x \leq y_1$	$y_1 < x \leq y_2$	$y_2 < x \leq 1$
0	2	1	0	0	0

(D)

FIG.6

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Tx	CR=1/3				CR=1/2				CR=4/5			
	3GPP [dB]	OPTIMAL RV [dB]	DIFFERENCE [dB]		3GPP [dB]	OPTIMAL RV [dB]	DIFFERENCE [dB]		3GPP [dB]	OPTIMAL RV [dB]	DIFFERENCE [dB]	
1	-11.0	-11.2	0.2		-8.3	-8.5	0.2		-3.5	-3.5	0.0	
2	-14.3	-14.8	0.5		-12.9	-12.9	0.0		-8.6	-9.5	0.9	
3	-16.6	-16.8	0.2		-14.2	-14.9	0.7		-11.8	-12.1	0.3	
4	-18.2	-18.3	0.1		-16.1	-16.3	0.2		-13.4	-13.6	0.2	

FIG.7

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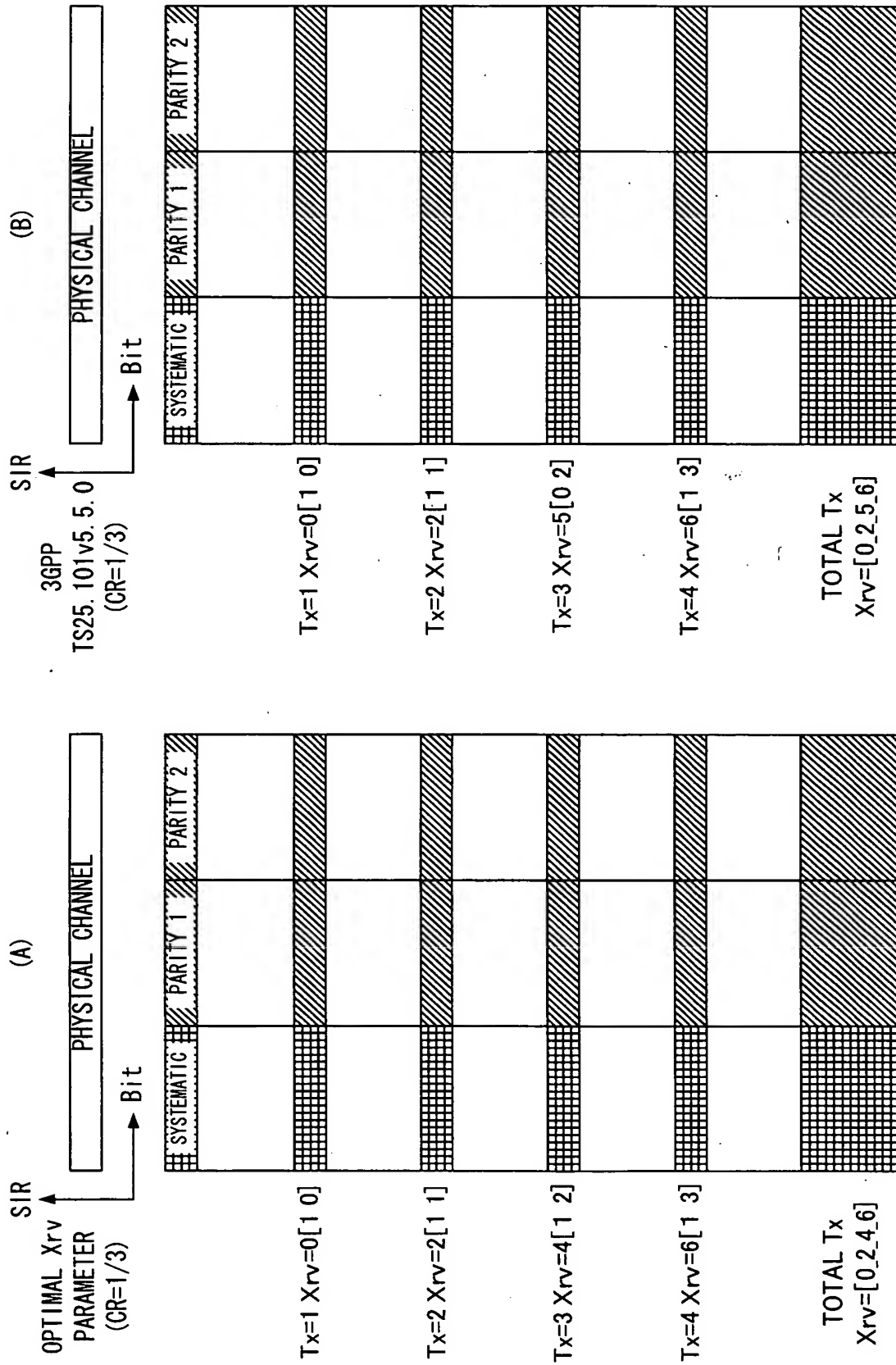


FIG.8



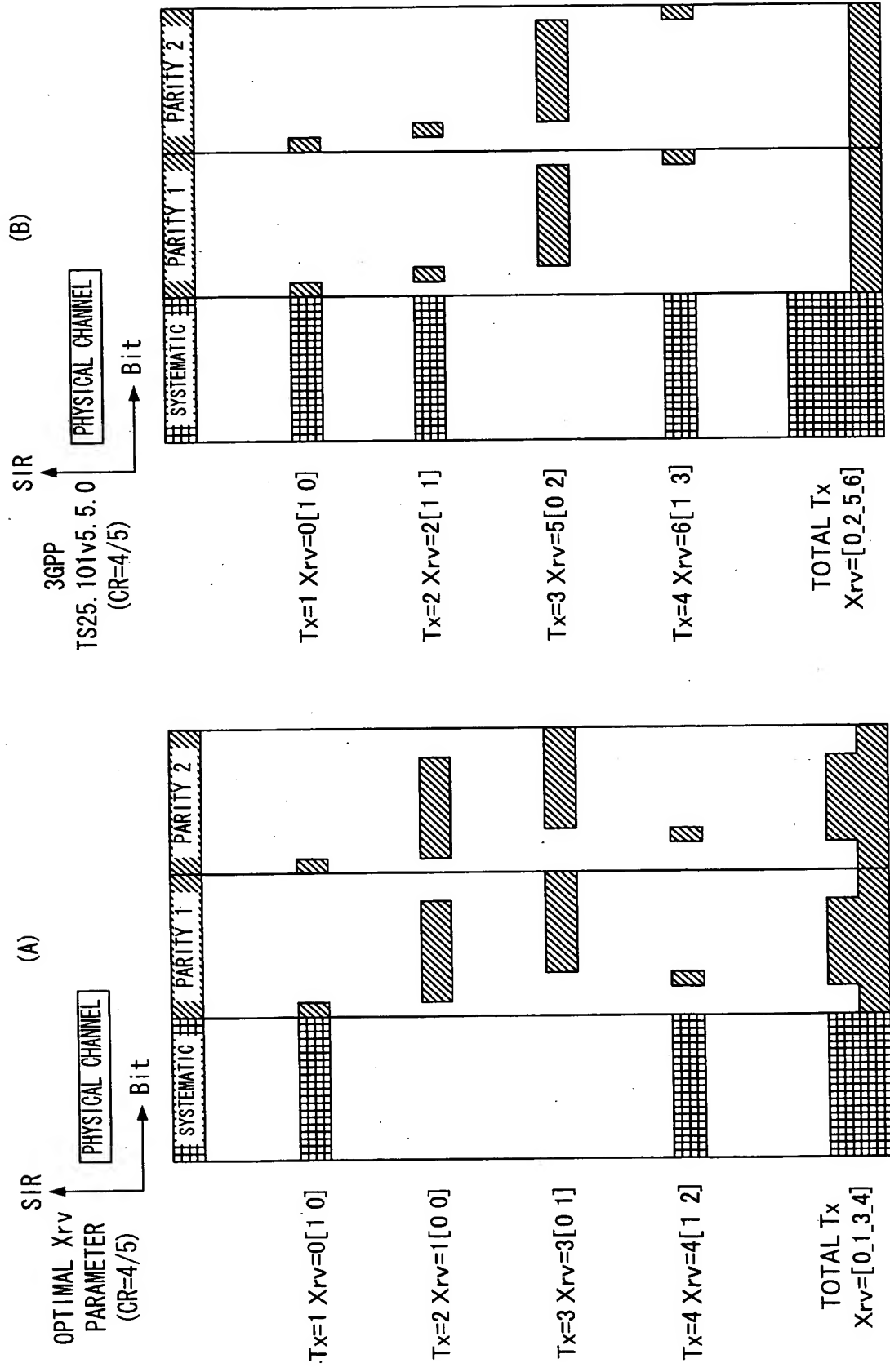


FIG.9